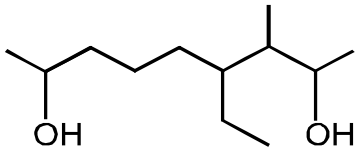
NSEC 11th 2026

ORGANIC CHEMISTRY | **DPP-07**

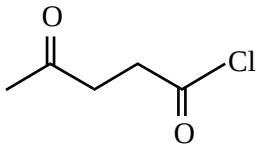
IUPAC Nomenclature

1. The correct IUPAC name of the compound is:



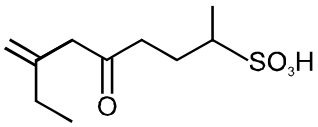
(A) 4-Ethyl-3-methylnonane-2, 8-diol
(B) 6-Ethyl-7-methylnonane-2, 8-diol
(C) 5-Ethyl-1, 6, 7-trimethylheptane-1, 7-diol
(D) 4-Ethyl-2-methylnonane-2, 7-diol

2. The correct IUPAC name of compound is:



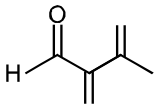
(A) 1-Chloropentane-1, 4-dione
(B) 4-Chlorocarbonylbutan-2-one
(C) 4-Oxopentanoyl chloride
(D) 3-Oxobutanecarbonyl chloride

3. The correct IUPAC name of the



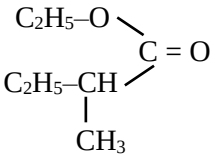
compound is:

(A) 6-Ethyl-1-methyl-4-oxohept-6-ene-1-sulphonic acid
(B) 7-Ethyl-5-oxooct-7-ene-2-sulphonic acid
(C) 2-Ethyl-7-sulphooct-1-ene-4-one
(D) 7-Methylene-5-oxononane-2-sulphonic acid

4. 

is named as:

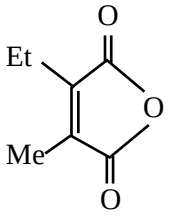
(A) 2, 3-Dimethylenebutanal
(B) 3-Methyl-2-methylenebut-3-enone
(C) 3-Methyl-2-methylidenebut-3-enal
(D) 2, 3-Dimethylenebutanone

5. The IUPAC name of 

is:

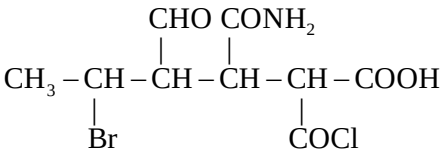
(A) Ethoxymethanone
(B) Ethyl -2-methylbutanoate
(C) Ethoxypropanone
(D) 2-Methylethoxypropanone

6. Correct IUPAC name of the compound



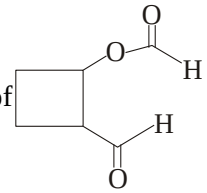
(A) 2-Ethyl-3-methylbut-2-ene-1, 4-dioic anhydride
(B) 3-Ethyl_2-methylbut-2-enedioic anhydride
(C) 2-Ethyl-3-Methyl-1, 4-diketobut-2-enoic anhydride
(D) 2-Ethyl-3-methylcyclopenatanoxy-1, 4-dione

7. The IUPAC name of the given

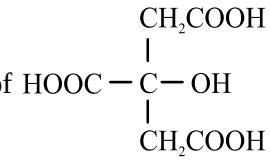


compound is:

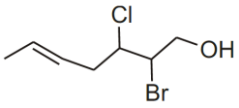
(A) 2-Bromo-4-carbamoyl-5-chlorocarbonyl-3-formylhexanoic acid
(B) 5-Bromo-3-carbamoyl-2-chlorocarbonyl-4-formylhexanoic acid
(C) 4-Formyl-2-chlorocarbonyl-3-carbamoyl-5-bromohexanoic acid
(D) 2-Chlorocarbonyl-3-carbamoyl-4-formyl-5-bromohexanoic acid

8. IUPAC name of  is:

(A) Cyclobutane-1-carbaldehyde-2-carboxylate
(B) (2-Formyl cyclobutene) carboxylate
(C) (2-Formylcyclobutyl) methanoate
(D) 2-Methanoyloxy cyclobutane carbaldehyde

9. The IUPAC name of  is:

(A) 3-Carboxy-3-hydroxypentanedicarboxylic acid
(B) 2-Hydroxypropane-1, 2, 3-tricarboxylic acid
(C) 2-Hydroxypropane-1, 2, 3-trioic acid
(D) 3-Hydroxypropane-1, 2, 3-tricarboxylic acid

10. 

When IUPAC name of following compound is given, then double bond and substituent gets respectively (x and y) number so the sum of (x + y) will be:

Answer Key

1.	(A)	**6.**	(A)
2.	(C)	**7.**	(B)
3.	(B)	**8.**	(C)
4.	(C)	**9.**	(B)
5.	(B)	**10.**	(10)